

Substitute for form 1449 A & B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	Div of USSN 09/559,418
Confirmation Number	
Filing Date	December 21, 2001
First Named Inventor	Masamichi TOBA et al
Art Unit	1651
Examiner Name	Marx, I.
Attorney Docket Number	Q-67818

Sheet	1	of	2
-------	---	----	---

PTO
10/02/03
12/21/01

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
m		4,442,215		04/10/1984	Vognsen et al
		5,498,412		03/1996	Fujie
		4,957,749		09/1990	Prieels et al
		5,008,119		04/1991	Matsubara
		5,336,493		08/1994	Poznansky et al
		4,029,819		06/1977	Michelson
		5,284,871		02/1994	Graf
		4,129,644		12/1978	Kalapissis et al
		4,870,002		09/1989	Kiel

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
m		BP	1/197,257		07/10/1970		
		JP	4-41436		02/1992		
		JP	2-3495		01/1990		Eng. Trans.
		JP	51-115968		10/1976		
		JP	62,201,570		07/1987		
		CH	376,078		02/1971		
		JP	5,084,065		04/1993		
		JP	51-115968		10/1976		Eng. Trans.
		JP	4-41436		02/1992		Eng. Trans.
		JP	2,003,495		01/1990		
		JP	55,007,013		01/1980		
		JP	1,243,971		09/1989		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
m		ATCC Catalogue of Bacteria, pages 169, 172 and 174-175 (1992)	
		Hammes et al, <i>In the Prokaryotes</i> , Springer-Verlag, II:1562 (1992)	
		Vanos et al, <i>Food Microbiol. (LOND)</i> , 4(1):19-34 (1987)	
		Kono et al, <i>J. Act. Oxyg. Free Rad.</i> , 2(1):18-26 (1991)	Eng. Trans.
		Kono et al, <i>PNE-Protein Nucleic Acid and Enzy.</i> , 33(16):2940-2948 (1988)	Eng. Trans.
		Archibald, <i>Crit. Rev. Microbiol.</i> , 13(1):63-109 (1986)	
		Waldo et al, <i>J. Am. Chem. Soc.</i> , 114(14):5869-5870 (1992)	
		Kono et al, <i>Proced. Int. Conf.</i> , 4:231-233 (1985)	
		Wheeler et al, <i>J. of Gen. Microbiol.</i> , 121(12):457-464 (1980)	

Examiner Signature

Gene Marx

Date Considered

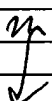
7/25/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is indicate here if English language Translation is attached

Substitute for form 1449 A & B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	Div of USSN 09/559,418
				Confirmation Number	
				Filing Date	December 21, 2001
				First Named Inventor	Masamichi TOBA et al
				Art Unit	1651
				Examiner Name	Marx, I.
Sheet	2	of	2	Attorney Docket Number	Q-67818

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
<i>m</i>		4,230,595		10/1980	Yamax et al

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		GB	1197257		07/1970		
		EP	0207039		12/1986		
		EP	0542398		05/1993		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
<i>m</i>		DATABASE WPI, Week 7648, corresponding to JPA 51-115698 (Hagiwara), October 14, 1976	
		DATABASE WPI, Week 8945, corresponding to JPA 01-243971 (Kagome), September 28, 1989	
		DATABASE WPI, Week 9213, corresponding to JPA 04-041436 (Sodex), February 12, 1992	
		DATABASE WPI, Week 9318, corresponding to JPA 05-084065 (Asahi Breweries), April 6, 1993	
		DATABASE WPI, Week 9007, corresponding to JPA 02-003495 (Okuno Pharm.), January 9, 1990	
		Patent Abstracts of Japan, Hiroyoshi, 16(213):C-0942 (1992); corresponding to JPA 40-041436 (02/12/92)	
		DATABASE WPI, Week 7351, corresponding to SUA-276078 (Moscow GV Plekhanov)	
		Patent Abstracts of Japan, Nippon, 12(56):C-477 (1988); corresponding to JPA 62-201570 (09/05/87)	
		Patent Abstracts of Japan, Kibum, 4(30):C-002; corresponding to JPA 55-007013 (01/18/80)	
		Kono et al, <i>J. of Bacteriology</i> , 155(2):742-746 (1983)	
		Steele et al, <i>Cer. J. Microbiol.</i> , 32:409-413 (1986)	
		Privake et al, <i>J. of Biol. Chem.</i> , 265(35):21966-21970 (1990)	

Examiner Signature	<i>Lune Marx</i>	Date Considered	<i>7/25/03</i>
--------------------	------------------	-----------------	----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is indicate here if English language Translation is attached.